

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/JP99/01394

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>6</sup> G06F9/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>6</sup> G06F9/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1979-1997 Toroku Jitsuyo Shinan Koho 1994-1997  
Kokai Jitsuyo Shinan Koho 1972-1996 Jitsuyo Shinan Toroku Koho 1996-1998

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO, 97/16784, A1 (Fumio Negoro), 9 May, 1997 (09. 05. 97) & EP, 859313	1, 2
Y	JP, 5-88863, A (Kyoraku Co., Ltd.), 9 April, 1993 (09. 04. 93) (Family: none)	1, 2
Y	JP, 4-142622, A (Oki Electric Industry Co., Ltd.), 15 May, 1992 (15. 05. 92) (Family: none)	1, 2
EA	WO, 98/19232, A1 (Fumio Negoro), 7 May, 1998 (07. 05. 98) (Family: none)	1, 2

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search  
2 June, 1999 (02. 06. 99)

Date of mailing of the international search report  
15 June, 1999 (15. 06. 99)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.